

CERTIFICATE OF ANALYSIS

Product Name: Sucralose (E955)	
Batch No.: TGS-P21041321	Quantity: 200kg
Manufacture Date: 13 th April, 2021	Re-Test Date: 12 th April, 2023
Standard: FCC, EP10, JECFA, USP43-NF38, BP2020	CAS: 56038-13-2

Items		Specifications	Results
Appearance		White to off-white crystalline powder	Complies
Identification	IR	Comply with standard	Complies
	HPLC	Comply with standard	Complies
	TLC	Comply with standard	Complies
Solubility		Freely soluble in water, in methanol and in alcohol. Slightly soluble in ethyl acetate	Complies
Assay (Sucralose)		98.0 – 102.0%	99.4%
Specific Rotation		+84.0 – 87.5°	+85.2°
Heavy Metals(Pb)		≤10 mg/kg	Complies
Arsenic(As₂O₃)		≤1.5 mg/kg	Complies
Lead		≤1 mg/kg	Complies
Other chlorinated disaccharides (Related substances)		≤0.5%	Complies
Chlorinated monosaccharides (Hydrolysis products)		≤0.1%	Complies
Residue on ignition		≤0.7%	0.09%
Triphenylphosphine Oxide		≤150mg/kg	Negative
Methanol		≤0.1%	Complies
Sulfated Ash		≤0.7%	0.09%
Water Content		≤2.0%	0.13%
pH		5 - 8	6.2
Impurities H and I		≤0.1%	Complies
Total plate count		≤250cfu/g	<10cfu/g

Coliforms	≤3.0mpn/g	<0.3mpn/g
S. Aureus	Negative	Complies
Salmonella	Negative	Complies
Yeast & Mould	≤50cfu/g	<10cfu/g
Conclusion: This batch is conforming with FCC, EP10, JECFA, USP43-NF38, BP2020		